Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/08/2019 09:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124508	-1	2.15	124591	2.14
Blue	F	SSC	125000	123485	-2	3.63	124262	3.59
Blue	E	FITC	16694	16298	-3	3.69	379	21.86
Blue	D	PE	32792	32302	-2	3.00	715	16.61
Blue	B	PerCP-Cy5-5	44451	44223	-1	4.60	1206	23.22
Blue	A	PE-Cy7	33645	34029	1	7.02	613	47.84
Red	C	APC	47008	46833	-1	3.04	1811	13.18
Red	A	APC-Cy7	32298	31927	-2	2.98	798	13.91
Violet	B	V450	8961	8797	-2	4.55	488	15.16
Violet	A	V500	32726	31754	-3	4.23	763	11.65

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20274	4.38	606	-7	N/A	N/A	Pass
Blue	F	SSC	55827	3.09	574	6	N/A	N/A	Pass
Blue	E	FITC	63	74.13	562	-1	0.0161	187	Pass
Blue	D	PE	142	56.78	566	0	0.1185	243	Pass
Blue	B	PerCP-Cy5-5	220	56.36	670	-1	0.0072	39	Pass
Blue	A	PE-Cy7	120	120.46	727	1	0.0091	30	Pass
Red	C	APC	412	28.24	610	-3	0.0200	137	Pass
Red	A	APC-Cy7	196	31.51	582	-3	0.0048	1090	Pass
Violet	B	V450	71	71.81	481	-5	0.0354	1837	Pass
Violet	A	V500	109	41.93	490	-6	0.0188	1365	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/08/2019 09:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.49	-31.83	1.11
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	16.89	13.60 - 20.40	N/A	N/A	28.81	29.49	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 12919

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments